

PAT-NO: JP401035527A
DOCUMENT-IDENTIFIER: JP 01035527 A
TITLE: MANUFACTURE OF LIQUID CRYSTAL DISPLAY
DEVICE
PUBN-DATE: February 6, 1989

INVENTOR-INFORMATION:
NAME
HONJO, TERUBUMI
KITAZAWA, TADAYUKI

ASSIGNEE-INFORMATION:
NAME COUNTRY
NEC HOME ELECTRON LTD N/A

APPL-NO: JP62192294
APPL-DATE: July 31, 1987

INT-CL (IPC): G02F001/13

US-CL-CURRENT: 349/155, 349/158 , 349/FOR.124

ABSTRACT:

PURPOSE: To execute flat sticking by applying a photo-setting adhesive agent, and thereafter, sticking in parallel each rod-like transparent substrate to a large area transparent substrate through a spacer, and joining mutually each rod-like transparent substrate by radiating a light beam.

CONSTITUTION: To the side and end faces in the width direction of a rod-like glass substrate on which a picture element electrode 5, a switching element 6 and a scanning electrode 7 have been formed, a photo-setting adhesive agent is applied in advance as a filling adhesive agent 9, and these rod-like glass

substrates 4 are stuck in parallel through a spacer 8 to a large area glass substrate 1 of a display area size on which a color filter 2, a signal electrode 3, etc., have been formed. Subsequently, from the rod-like glass substrate 4 group side, a transparent elastic film 11 and a glass plate 12 for using press-contacting/sealing are stuck, and also, polarizing plates 13, 14 are stuck on both sides. Thereafter, a cell gap part is allowed to form a vacuum, and the cell gap dimensional accuracy is given, and thereafter, the photo-setting adhesive agent is hardened by radiating a light beam for hardening to a photo-setting adhesive agent part, and each rod-like glass substrate is joined mutually. In such a way, the cell gap having high accuracy can be formed.

COPYRIGHT: (C)1989,JPO&Japio